

2018 级国科大选修《实用生物信息技术》暑期课同学期末总结中提供的生物信息相关网站

中文网站

生物信息公共图书馆

<https://www.plob.org/>

基因课

<http://www.genek.tv/>

生信技能树

<http://biotrainee.com/forum.php/>

生信人

<https://shengxin.ren/>

生信自学网

<http://biowolf.cn/TCGA/>

生信菜鸟团

<http://www.bio-info-trainee.com/>

解螺旋

<https://www.helixlife.cn/>

基因云

<https://www.gcbi.com.cn/>

生物质能源网

<http://www.cnbioenergy.com/>

科学院图书馆

<http://www.las.ac.cn/>

网络文档

BioStars

<https://www.biostars.org/>

IWGSC – USDA interagency working group on scientific collections

<https://usfsc.nal.usda.gov/>

JoVE – Video journal and Science education library

<https://www.jove.com/>

InsideUniProt – UniProt Blog

<http://insideuniprot.blogspot.com/>

基因组资源

UK BioBank - an international health resource to improve the prevention, diagnosis and treatment of a wide range of serious and life-threatening illnesses.

<https://www.ukbiobank.ac.uk/>

IGV – Web-based platform of Integrative Genomics Viewer for interactive exploration of large, integrated genomic datasets.

<https://igv.org/app/>

1000 genome - The web portal of the 1000 genomes project.

<http://www.internationalgenome.org/>

Gencode - to identify and classify all gene features in the human and mouse genomes with

high accuracy based on biological evidence.

<https://www.encodegenes.org/>

Harmonizome – Integrated knowledge of genes and proteins

<http://amp.pharm.mssm.edu/Harmonizome/>

HMDB - The Human Metabolome Database is a database containing detailed information about small molecule metabolites found in the human body.

<http://www.hmdb.ca/>

SILVA – A comprehensive on-line resource for quality checked and aligned ribosomal RNA sequence data.

<https://www.arb-silva.de/>

植物基因组

Wheat Genome – International wheat genome sequencing consortium

<https://www.wheatgenome.org/>

Medicago – A Medicago hapmap of 384 inbred lines.

<http://www.medicagohapmap.org/>

微生物基因组

LPSN – List of prokaryotic names with standing in nomenclature

<http://www.bacterio.net/>

MBGD - comparative analysis of completely sequenced microbial genomes.

<http://mbgd.genome.ad.jp/>

AnnoTree - a web tool for visualization of bacteria genome annotations across large phylogenetic trees.

<http://annotree.uwaterloo.ca/>

IS Finder - A database provides a list of insertion sequences isolated from bacteria and archae.

<https://www-is.biotoul.fr/>

软件工具

EMBL Peer Bork Group

<http://www.bork.embl.de/j/index.php/content/view/55/157/>

John Hopkins Univ CCB

<http://ccb.jhu.edu/software.shtml>

primer3plus – Primer design web tool

<http://www.primer3plus.com/>

FlyCRISPR – a CRISPR web portal for fruit fly.

<http://flycrispr.molbio.wisc.edu/>

三维电镜结构数据库

EM Data - Global resource for 3-Dimensional Electron Microscopy (3DEM) structure data archiving and retrieval.

<https://www.emdataresource.org/>